

## ABSTRACT

5 A motion control system for controlling a target device to perform a  
desired motion operation. The motion control system comprises at least  
one motion event provider, a motion event manager, and a motion control  
component. The motion event provider is configured to generate at least  
one event token upon the occurrence of at least one predetermined event.  
The event token is associated with at least one motion command. The  
motion event manager receives the at least one event token. The motion  
10 control component is adapted to transmit to the target device a control  
command based on the at least one motion command associated with the  
event token received by the motion event manager.